	Application No.	Applicant(s)
Notice of Allowability	10/721,346	CHO, SEONG-KWAN
	Examiner	Art Unit
	Dung Lam	2687

*-- The **MAILING DATE** of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *11/26/03*.

2. ☒ The allowed claim(s) is/are *1-20*.

3. ☒ The drawings filed on *26 November 2003* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
     a) ☒ All   b) ☐ Some*   c) ☐ None   of the:
        1. ☒ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
     (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
     (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____ .
     Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Sahota, Registration No. 47051 on 8/22/05.

Claim 3, line 6, "an telephone" has been changed to --a telephone--.
Claim 4, line 4, "performed" has been changed to --dialed--.
Claim 8, line 6, "an telephone" has been changed to --a telephone--.

(End of Examiner's Amendment)

Allowable Subject Matter

1.   Claims 1-20 are allowed.

The following is the examiner's statement of reasons for allowance:

Regarding independent *claim 1*, the present invention teaches a method of

processing a call of a wireless local area network exchange using a callback function,

comprising the steps of: periodically transmitting a keep-alive signal to the wireless local area

network exchange from terminals; considering terminals from which the keep-alive signal is not

transmitted as keep-dead terminals, and transmitting a telephone number list of the keep-dead

terminals to each terminal by the wireless local area network exchange; attempting calls to

target terminals to be substantially called, and requesting a callback service according to user

intentions when telephone numbers of the target terminals are stored in the telephone number

list by the terminals; and automatically attempting the calls to the target terminals from the

terminals when the target terminals are converted into a keep-alive state from a keep-dead state

and the callback service is requested.

Regarding independent *claim 13*, the present invention teaches an apparatus for

processing a call of a wireless local area network, comprising: a terminal, comprising: a user

interface interfacing with a user to perform a corresponding command according to a selected

operation of the user; a call controller overall controlling calls; a network interface interfacing to

physically perform communication between the terminal and the wireless local area network

exchange; and a system interface interfacing with a wireless local area network exchange

system and having data on an the telephone number list storing a list of keep-dead target

terminals and data on a call list storing a call request scheduled list corresponding to telephone

numbers to which a callback service is requested by the user among telephone numbers of the

target terminals that fail to call attempts; and a wireless local area network exchange,

comprising: a call controller overall controlling the calls; a terminal interface considering

terminals from which a keep-alive signal is not transmitted as keep-dead terminals as interfacing

with the terminal and storing the telephone number list about the keep-dead terminals in a

terminal state information storage; a network interface interfacing to physically perform

communication between the terminal and the wireless local area network exchange; and an

access point connected to the network interface in a wire line to enable wireless communication

between the wireless local area network exchange and the terminal and transceiving a wireless

signal to the terminal.

Regarding independent *claim 14*, the present invention teaches an apparatus for

processing a call of a wireless network, comprising: a terminal, comprising: a user interface

interfacing with a user to perform a corresponding command according to a elected operation of

the user; a call controller controlling calls; a network interface interfacing to physically perform

communication between the terminal and the wireless network exchange; and a system

interface interfacing with a wireless local area network exchange system and having data on an

address list storing a list of keep-dead target terminals and data on a call list storing a call

request scheduled list corresponding to addresses to which a callback service is requested by

the user among addresses of the target terminals that fail to call attempts; and a wireless

network exchange, comprising: a call controller controlling the calls; a terminal interface

considering terminals from which a keep-alive signal is not transmitted as keep-dead terminals

as interfacing with the terminal and storing the address list about the keep-dead terminals in a

terminal state information storage; a network interface interfacing to physically perform

communication between the terminal and the wireless network exchange; and an access point

connected to the network interface in a wire line to enable wireless communication between the

wireless network exchange and the terminal and transceiving a wireless signal to the terminal.

Regarding independent *claim 15*, the present invention teaches a method of

processing a call, comprising: periodically transmitting a keep-alive signal to a wireless network

exchange from a plurality of terminals; considering terminals from which the keep-alive signal is

not transmitted as keep-dead terminals, and transmitting an address list of the keep-dead

terminals to each terminal by the wireless network exchange; attempting calls to target terminals

to be substantially called, and requesting a callback service according to user intentions when

addresses of the target terminals are stored in the address list by the terminals; and

automatically attempting the calls to the target terminals from the terminals when the target

terminals are converted into a keep-alive state from a keep-dead state and the callback service

is requested.

The closest prior arts, Curbow (US Publication No. 2003/0206619) and Trandal

(US Publication No. 2003/0081752) discloses a method and apparatus for callback

service which utilizes the presence detection from the network but fail to anticipate or

render all the above combined limitations.

Regarding **claims 2-12**, the claims are allowed as being dependent of claim 1.

Regarding **claims 16-20**, the claims are allowed as being dependent of claim 15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the

organization where this application or proceeding is assigned is (571) 273-6497.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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